

RESPONSE UNDER 37 C.F.R. § 1.116
EXPEDITED PROCEDURE – Art Unit 1651
Attorney Docket No. 54367.8001.US01

AMENDMENTS TO THE CLAIMS

1-13. (canceled)

14. (currently amended) A method of providing nutrition to a subject comprising providing the subject with a non-human meat product produced by the following steps:

culturing non-human muscle cells *ex vivo*;

seeding the non-human muscle cells onto a support structure; and

growing the non-human muscle cells to produce said non-human meat product, wherein said non-human meat product is suitable for consumption, and wherein said subject consumes said non-human meat product to obtain nutrition therefrom.

16. The method in claim 14 further comprising the step:

exposing the non-human muscle cells to an electric or oscillating current.

17. (previously amended) The method in claim 14 further comprising the step:

adding nutrients to be incorporated into the non-human meat products.

18. (previously amended) The method in claim 14 wherein the non-human muscle cells are derived from animals selected from the group consisting of mammals, birds, fishes, invertebrates, reptiles, and amphibians.

19. (previously amended) The method in claim 14 wherein the non-human meat product is substantially free from harmful microbial contamination.

20-23. (canceled)

24. (previously added) The method in claim 14 wherein the non-human muscle cells are skeletal muscle cells.

25. (previously added) The method in claim 14 wherein the non-human muscle cells are derived from pluripotent or totipotent non-human stem cells.

26. (previously added) The method of claim 14 further comprising the step:

seeding non-human fat cells onto said support structure,

wherein said non-human fat cells grow in conjunction with said non-human muscle cells to produce said non-human meat product.

27. (previously added) The method of claim 26 wherein said non-human fat cells are derived from pluripotent or totipotent non-human stem cells.

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28. (previously added) The method of claim 14 further comprising the step:
seeding non-human cartilage cells onto said support structure,
wherein said non-human cartilage cells grow in conjunction with said non-human
muscle cells to produce said non-human meat product.
29. (previously added) The method of claim 28 wherein said non-human
cartilage cells are derived from pluripotent or totipotent non-human stem cells.